

Texas Education Agency Standard Application System (SAS)

2018–2019 Technology Lending

Program authority:	General Appropriations Act, Article III, Rider 8, and House Bill 3526, 85 th Texas Legislature; Texas Education Code Section 32.301	FOR TEA USE ONLY <small>Write NOGA ID here:</small> <div style="border: 1px solid black; padding: 2px; transform: rotate(-90deg); transform-origin: center;"> RECEIVED TEXAS EDUCATION AGENCY DOCUMENT CONTROL CENTER GRANTS ADMINISTRATION FEB 6 AM 11:24 </div>
Grant Period:	May 1, 2018, to August 31, 2019	
Application deadline:	5:00 p.m. Central Time, February 6, 2018	
Submittal information:	Applicants must submit one original copy of the application with an original signature, and two copies of the application, printed on one side only and signed by a person authorized to bind the applicant to a contractual agreement, must be received no later than the aforementioned date and time at this address: <div style="text-align: center;"> Document Control Center, Grants Administration Division Texas Education Agency, 1701 North Congress Ave. Austin, TX 78701-1494 </div>	
Contact information:	Kathy Ferguson: techlending@tea.texas.gov; (512) 463-9087	

Schedule #1—General Information

Part 1: Applicant Information

Organization name	County-District #	Amendment #	
Northside Independent School District	015915		
Vendor ID #	ESC Region #		
1-74-6015904	20		
Mailing address	City	State	ZIP Code
5900 Evers Road	San Antonio	TX	78238-1606

Primary Contact

First name	M.I.	Last name	Title
Doug		Shudde	Director
Telephone #	Email address		FAX #
(210) 397-8170	Doug.Shudde@nisd.net		(210) 706-8974

Secondary Contact

First name	M.I.	Last name	Title
Kyle		Baker	Grant Coordinator
Telephone #	Email address		FAX #
(210) 267-7956	Kyle.Baker@nisd.net		(210) 706-7228

Part 2: Certification and Incorporation

I hereby certify that the information contained in this application is, to the best of my knowledge, correct and that the organization named above has authorized me as its representative to obligate this organization in a legally binding contractual agreement. I further certify that any ensuing program and activity will be conducted in accordance with all applicable federal and state laws and regulations, application guidelines and instructions, the general provisions and assurances, debarment and suspension certification, lobbying certification requirements, special provisions and assurances, and the schedules attached as applicable. **It is understood by the applicant that this application constitutes an offer and, if accepted by the Agency or renegotiated to acceptance, will form a binding agreement.**

Authorized Official:

First name	M.I.	Last name	Title
Brian	T	Woods	Superintendent
Telephone #	Email address		FAX #
210-397-8770	Brian.Woods@nisd.net		

Signature (blue ink preferred)

Date signed

1/31/2018

Only the legally responsible party may sign this application.

701-18-103-154

RFA #701-18-103; SAS #274-18
2018–2019 Technology Lending

Schedule #1—General Information

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 3: Schedules Required for New or Amended Applications

An X in the "New" column indicates a required schedule that must be submitted as part of any new application. The applicant must mark the "New" checkbox for each additional schedule submitted to complete the application.

For amended applications, the applicant must mark the "Amended" checkbox for each schedule being submitted as part of the amendment.

Schedule #	Schedule Name	Application Type	
		New	Amended
1	General Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Required Attachments and Provisions and Assurances	<input checked="" type="checkbox"/>	N/A
4	Request for Amendment	N/A	<input checked="" type="checkbox"/>
5	Program Executive Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Program Budget Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	Professional and Contracted Services (6200)	See Important Note For Competitive Grants*	<input type="checkbox"/>
9	Supplies and Materials (6300)		<input type="checkbox"/>
10	Other Operating Costs (6400)		<input type="checkbox"/>
11	Capital Outlay (6600)		<input type="checkbox"/>
12	Demographics and Participants to Be Served with Grant Funds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Needs Assessment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	Project Evaluation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	Responses to Statutory Requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	Responses to TEA Requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>

***IMPORTANT NOTE FOR COMPETITIVE GRANTS:** Schedules #8, #9, #10 and #11 are required schedules if any dollar amount is entered for the corresponding class/object code on Schedule #6—Program Budget Summary. For example, if any dollar amount is budgeted for class/object code 6200 on Schedule #6—Program Budget Summary, then Schedule #8—Professional and Contracted Services (6200) is required. If it is either blank or missing from the application, **the application will be disqualified.**

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Schedule #2—Required Attachments and Provisions and Assurances

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 1: Required Attachments

The following table lists the fiscal-related and program-related documents that are required to be submitted with the application (attached to the back of each copy, as an appendix).

#	Applicant Type	Name of Required Fiscal-Related Attachment
No fiscal-related attachments are required for this grant.		
#	Name of Required Program-Related Attachment	Description of Required Program-Related Attachment
1	LEA Technology Plan Template	If an LEA does not have a 2016–2017 Technology Plan on file with TEA, it must show evidence of a current local technology plan on participating campuses by completing the LEA Technology Plan Template.

Part 2: Acceptance and Compliance

By marking an X in each of the boxes below, the authorized official who signs Schedule #1—General Information certifies his or her acceptance of and compliance with all of the following guidelines, provisions, and assurances.

Note that provisions and assurances specific to this program are listed separately, in Part 3 of this schedule, and require a separate certification.

X	Acceptance and Compliance
<input checked="" type="checkbox"/>	I certify my acceptance of and compliance with the <u>General and Fiscal Guidelines</u> .
<input checked="" type="checkbox"/>	I certify my acceptance of and compliance with the <u>program guidelines</u> for this grant.
<input checked="" type="checkbox"/>	I certify my acceptance of and compliance with all <u>General Provisions and Assurances</u> requirements.
<input checked="" type="checkbox"/>	I certify that I am not debarred or suspended. I also certify my acceptance of and compliance with all <u>Debarment and Suspension Certification</u> requirements.

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Schedule #2—Required Attachments and Provisions and Assurances

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 3: Program-Specific Provisions and Assurances
☒ I certify my acceptance of and compliance with all program-specific provisions and assurances listed below.

#	Provision/Assurance
1.	The applicant provides assurance that program funds will supplement (increase the level of service), and not supplant (replace) state mandates, State Board of Education rules, and activities previously conducted with state or local funds. The applicant provides assurance that state or local funds may not be decreased or diverted for other purposes merely because of the availability of these funds. The applicant provides assurance that program services and activities to be funded from this grant will be supplementary to existing services and activities and will not be used for any services or activities required by state law, State Board of Education rules, or local policy.
2.	The applicant provides assurance that the application does not contain any information that would be protected by the Family Educational Rights and Privacy Act (FERPA) from general release to the public.
3.	The applicant assures that funds provided under the Instructional Materials Allotment (IMA) or other funding are insufficient to purchase enough lending technology for every student who needs dedicated access to a device.
4.	The applicant assures that it will provide access to lending technology and residential access to the Internet for students, including economically disadvantaged students and students with disabilities, who do not already have either the needed equipment or Internet service for learning at home
5.	The applicant understands that equipment purchased with Technology Lending Grant funds is the property of the LEA.
6.	The applicant assures that infrastructure and technical support are adequate to support students' use of loaned equipment provided through the grant at its participating campus(es).
7.	The applicant assures that it will provide adequate staff to administer the program and ensure successful implementation.
8.	The applicant assures that it will account for the technology lending equipment in accordance with district policy for accounting for such equipment, including providing insurance when insurance is typically provided for such equipment. The applicant understands that the grant funds cannot be used to replace lost, stolen, or damaged equipment.
9.	The applicant assures that it will obtain a Technology Lending Agreement signed by the parents/guardian of each participating student and by the student participating in the program, including an assurance of student's mastery of the grade-appropriate Digital Citizenship strand of the Technology Applications Texas Essential Knowledge and Skills.
10.	The applicant assures that it has a 2016–2017 LEA technology plan on file with TEA, or that it will show evidence of a current local technology plan on participating campuses by completing the Required Program-Related Attachment outlined on page 18 of the Program Guidelines.
11.	The applicant assures that technology lending and use of electronic instructional materials are incorporated into the LEA's technology plan.
12.	The applicant agrees to collect and report the data for the performance measures stated in the Program Guidelines under Program Evaluation. The applicant assures it will develop appropriate systems and processes to collect and report the required data

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Schedule #5—Program Executive Summary

County-district number or vendor ID: 015915

Amendment # (for amendments only):

List the campuses that will be served with these funds. Response is limited to space provided, front side only, font size no smaller than 10 point Arial.

Earl Rudder Middle School

Provide a brief overview of the program you plan to deliver. Refer to the instructions for a description of the requested elements of the summary.

Program Outline: Northside Independent School District (NISD) is applying for funding under the 2017-2018 Technology Lending Program Grant, in order to close the achievement gap created by limited access to the internet and other electronic educational resources for sixth through eighth-grade students of Earl Rudder Middle School. This will be accomplished through a 1:1 device pilot program where each student is assigned a Chromebook computer for academic work. The 1:1 pilot will enable these students to access textbooks, compendium texts, intervention software, and classroom materials while off campus. This will reduce achievement gaps between Rudder and the District average, as well as provide the experiential learning opportunities that are critical for success in science and social studies—the two STAAR testing subjects where Rudder demonstrates greatest disparity with State and District averages. This proposed lending program aligns closely with NISD's technology goal: to inspire and empower students, staff, and community through collaboration and anytime/anywhere technology solutions.

Development of Program Budget: The NISD lending program seeks to provide as many students as possible with access to both the internet and portable computer devices. The District determined that an optimum solution for our program involved separate Chromebook computer and MiFi internet hotspot devices, due to cost considerations and the significant number of students who have access to the internet in their home, but not to an individual computer system. The population and economically disadvantaged percentage Rudder was analyzed to determine the number of Chromebook devices that would be required and the number of hotspots that would be necessary to bridge the access gap in student homes. NISD was able to negotiate an agreement for 4G MiFi hotspot devices that waived equipment costs, provided unlimited data service, and was competitively priced versus other local internet providers. The requested number of devices is expected to be sufficient to meet student internet access needs.

Alignment of Participant Demographics with Program Goals: The goal of this program is to investigate the viability of a true 1:1 deployment of Chromebook computers at an NISD campus. This goal aligns with the District's goals of promoting life-long and borderless learning, by providing students with the tools to learn within the classroom and at home. High rates of economically disadvantaged students (65%), as well as a significant population of "Newcomer" refugee students creates an environment where Rudder students fall below the NISD 1:2 average ratio of devices per student. This proposed program provides the students of the participating campuses with access to computers and the internet, in their homes and in the classroom, in order to build the social capital and academic skills required for success in the modern classroom. The program utilizes a priority point system to maintain equitable access for all students.

Needs Assessment Development, Monitoring, and Updating Process: The needs assessment process was developed in collaboration between the Principal of the participating campus; relevant department directors, and other program stakeholders. Student demographics, academic performance, and campus technology capacity were all considered while determining programmatic needs. Ongoing monitoring of program efficacy will be provided by the District's Grants Project Manager, who will meet with relevant program stakeholders on a monthly basis to evaluate the program's ongoing success. If changes to the program are deemed necessary, the Grant Project Manager and program stakeholders will collaboratively develop an action plan and implementation time table to address the identified needs.

Program Management Plan: NISD has an extensive and successful history of managing an array of Federal and State funded projects due to established structures and procedures that rely on broad-based management and participation. Through planning, writing, and implementation, NISD relies on the Grants Project Manager to identify, convene and communicate with relevant stakeholders and staff. This collaboration regularly includes relevant Deputy Superintendent(s), Director(s), Program Specialist(s), Principal(s) and Evaluation Specialist(s). By involving all

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Schedule #5—Program Executive Summary (cont.)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Provide a brief overview of the program you plan to deliver. Refer to the instructions for a description of the requested elements of the summary. Response is limited to space provided, front side only, font size no smaller than 10 point Arial.

stakeholders consistently throughout the life cycle of the grant, NISD is able to efficiently and effectively implement grants, ensure all goals and objectives are met and adjust original proposals, as-needed, to maximize program potential and impact.

Program Evaluation Strategy: The NISD Grant Evaluator will provide program level data that will monitor student usage, pre- and post-program surveys, student achievements, and attendance. Data will be collected using District attendance, student, and library records. The Grants Project Manager will monitor professional development records, associated program databases, and equipment inventories, using relevant District records and resources.

Fulfillment of Statutory Requirements: This proposal fulfills all statutory requirements by seeking to supplement, rather than supplant existing classroom technology. The new deployment of devices ensures that all devices will exist on the same procurement cycle and ensure equity between students. NISD commits to utilizing local funding to provide the additional devices necessary for a full 1:1 deployment, beyond the 568 devices requested in this proposal.

Fulfillment of TEA Requirements: #1 The proposed program aligns with the mission of NISD and of Earl Rudder MS, by providing students with diverse learning opportunities on and off of campus, and without regards to economic or social factors, while simultaneously developing a deployable model that could be replicated at other NISD campuses. **#2** NISD determined that 92% of the students at the target campus have home internet access. For the remaining students, wireless hotspot devices will be available for check-out via the campus library. **#3 & 4** NISD is heavily invested in digital educational materials. All textbooks feature a digital edition and curricular software is currently utilized in all core subjects. The NISD Curriculum and Instruction department will work to continue aligning the District's curriculum with the developing world of digital educational materials. **#5** The existing technology ecosystem at Rudder includes high speed wireless networks, charging carts, and Chromebook sets. This enables full compatibility, both infrastructure wise and software wise, with the proposed 1:1 program. **#6** All Chromebooks will be issued and tracked via the existing textbook procedures and policies. The hotspots will be added to the library catalog and follow the same procedures developed for hotspots under the 2014 Technology Lending Program Grant pilot. Local oversight will be the responsibility of the campus librarian. **#7** All devices will be accounted for via NISD property tags/bar codes and follow local policy for student Chromebook usage. Insurance will not be purchased for the devices, and any damaged or lost devices will be addressed with local funding. Following the end of the grant cycle, the Chromebook devices will continue to be issued/utilized at the campus for the remainder of their service life.

Ongoing Commitment: This proposed program was collaboratively developed with the participating campuses and departments: Curriculum and Instruction; Academic Technology, Library & Textbook Services; Staff Development; and the Principals of each participating campus, to ensure buy-in at all levels of implementation. All participating campuses will additionally have the full support of NISD's Technology Department as well as their Campus Instructional Technologists and/or Academic Technology Coaches. The Grants Project Manager will work with the participating campuses and stakeholders to address any concerns or challenges, to ensure ongoing commitment to the program goals. This proposed lending program aligns with NISD's Technology Plan, on file with TEA, which ensures District-wide commitment and support for the duration of the program and beyond.

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Schedule #6—Program Budget Summary

County-district number or vendor ID: 015915 Amendment # (for amendments only):
 Program authority: General Appropriations Act, Article III, Rider 8, and House Bill 3526, 85th Texas Legislature; Texas Education Code Section, 32.301

Grant period: May 1, 2018, to August 31, 2019 Fund code: 410

Budget Summary

Schedule #	Title	Class/ Object Code	Program Cost	Admin Cost	Total Budgeted Cost
Schedule #8	Professional and Contracted Services (6200)	6200	\$	\$	\$
Schedule #9	Supplies and Materials (6300)	6300	\$149,816	\$	\$149,816
Schedule #10	Other Operating Costs (6400)	6400	\$	\$	\$
Schedule #11	Capital Outlay (6600)	6600	\$	\$	\$
Total direct costs:			\$149,816	\$	\$
Percentage% indirect costs (see note):			N/A	\$	\$
Grand total of budgeted costs (add all entries in each column):			\$149,816	\$	\$149,816

Administrative Cost Calculation

Enter the total grant amount requested:	\$149,816
Percentage limit on administrative costs established for the program (15%):	× .15
Multiply and round down to the nearest whole dollar. Enter the result.	
This is the maximum amount allowable for administrative costs, including indirect costs:	\$22,472

NOTE: Indirect costs are calculated and reimbursed based on actual expenditures when reported in the expenditure reporting system, regardless of the amount budgeted and approved in the grant application. If indirect costs are claimed, they are part of the total grant award amount. They are not in addition to the grant award amount.

Indirect costs are not required to be budgeted in the grant application in order to be charged to the grant. Do not submit an amendment solely for the purpose of budgeting indirect costs.

If selected for a competitive grant, your award amount will be the lesser of the grand total of budgeted costs as stated on this schedule (the box with the bold outline), or the sum of all line items listed on this schedule, or the maximum allowable award amount. TEA is not responsible for math errors.

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Schedule #8—Professional and Contracted Services (6200)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

NOTE: Specifying an individual vendor in a grant application does not meet the applicable requirements for sole-source providers. TEA's approval of such grant applications does not constitute approval of a sole-source provider.

Professional and Contracted Services

#	Description of Service and Purpose	Grant Amount Budgeted
1		\$
2		\$
3		\$
4		\$
5		\$
6		\$
7		\$
8		\$
9		\$
10		\$
11		\$
12		\$
13		\$
14		\$
a. Subtotal of professional and contracted services:		\$
b. Remaining 6200—Professional and contracted services that do not require specific approval:		\$
(Sum of lines a and b) Grand total		\$

For budgeting assistance, see the Allowable Cost and Budgeting Guidance section of the Grants Administration Division Administering a Grant page.

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Schedule #9—Supplies and Materials (6300)		
County-District Number or Vendor ID: 015915		Amendment number (for amendments only):
Supplies and Materials Requiring Specific Approval		
		Grant Amount Budgeted
6300	Total supplies and materials that do not require specific approval:	\$149,816
Grand total:		\$149,816

For budgeting assistance, see the Allowable Cost and Budgeting Guidance section of the Grants Administration Division Administering a Grant page.

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Schedule #10—Other Operating Costs (6400)		
County-District Number or Vendor ID: 015915		Amendment number (for amendments only):
Expense Item Description		Grant Amount Budgeted
6400	Operating costs that do not require specific approval:	\$
Grand total:		\$

In-state travel for employees does not require specific approval.

For budgeting assistance, see the Allowable Cost and Budgeting Guidance section of the Grants Administration Division Administering a Grant page.

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Schedule #11—Capital Outlay (6600)

County-District Number or Vendor ID: 015915

Amendment number (for amendments only):

#	Description and Purpose	Quantity	Unit Cost	Grant Amount Budgeted
66XX—Computing Devices, capitalized				
1			\$	\$
2			\$	\$
3			\$	\$
4			\$	\$
5			\$	\$
6			\$	\$
7			\$	\$
8			\$	\$
9			\$	\$
10			\$	\$
66XX—Software, capitalized				
11			\$	\$
12			\$	\$
13			\$	\$
14			\$	\$
15			\$	\$
16			\$	\$
17			\$	\$
66XX—Equipment, furniture, or vehicles				
18			\$	\$
19			\$	\$
20			\$	\$
21			\$	\$
22			\$	\$
23			\$	\$
24			\$	\$
25			\$	\$
26			\$	\$
27			\$	\$
Grand total:				\$

For budgeting assistance, see the Allowable Cost and Budgeting Guidance section of the Grants Administration Division [Administering a Grant](#) page.

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Schedule #12—Demographics and Participants to Be Served with Grant Funds

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 1: Student Demographics of Population To Be Served With Grant Funds. Enter the data requested for the population to be served by this grant program. If data is not available, enter DNA. Use the comment section to add a description of any data not specifically requested that is important to understanding the population to be served by this grant program. Response is limited to space provided. Use Arial font, no smaller than 10 point.

Student Category	Student Number	Student Percentage	Comment
Economically disadvantaged	691	66%	
Limited English proficient (LEP)	167	15%	
Disciplinary placements	20	1%	
Attendance rate	NA	95%	
Annual dropout rate (Gr 9-12)	NA	0.1%	

Part 2: Students To Be Served With Grant Funds. Enter the number of students in each grade, by type of school, projected to be served under the grant program.

School Type: ☒ Public ☐ Open-Enrollment Charter ☐ Private Nonprofit ☐ Private For Profit ☐ Public Institution

Students

PK	K	1	2	3	4	5	6	7	8	9	10	11	12	Total
							348	325	377					1050

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Schedule #13—Needs Assessment

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 1: Process Description. A needs assessment is a systematic process for identifying and prioritizing needs, with "need" defined as the difference between current achievement and desired outcome or required accomplishment. Describe your needs assessment process, including a description of how needs are prioritized. If this application is for a district level grant that will only serve specific campuses, list the name of the campus(es) to be served and why they were selected. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

The Northside Independent School District (NISD) is Bexar County's largest, and fastest growing, independent school district. As such, NISD faces a number of unique challenges, including: high rates of refugee "newcomer" students, income and opportunity gaps across campus feeder-patterns, and performance gaps on STAAR testing. National studies have demonstrated the ability of classroom technology to help bridge these gaps and create an increasingly level playing field for student success. NISD is committed to preserving equity and has deployed a robust array of technology across our campuses. However, these deployments highlighted the lack of technology devices in student homes and outside of the campus. Insufficient off-campus access places low-income families at a disadvantage and also leads to an underutilization of supplemental electronic classroom resources, including electronic textbooks and compendium volumes, interventional software, and research catalogs.

After examination of the successes and challenges of NISD's successful 2014 Technology Lending Program Grant (TLPG), as well as the strengths and weaknesses of NISD's technology programming, the District determined that Earl Rudder Middle School (Rudder) was an ideal site to trial a lending program focused on a 1:1 student to device concept. While most NISD campuses have bring your own device (BYOD) policies, and all campuses offer students on campus access to computers, no current campus offers the full integration that a 1:1 program can offer. Campus-level internal data collection revealed that Rudder has a 92% rate of student internet access in the home, making it an ideal candidate for a 1:1 pilot, as home internet access is readily available. The study also revealed insufficient device access, due to a number of factors, including sibling groups sharing a single device. The 2018 Lending Program seeks to address this gap, and ascertain the direct student benefits of 1:1 programming, in order to develop a roadmap to a possible District-wide 1:1 program in the future.

The Need:

The vision statement for the NISC Technology department is "To champion exceptional service and **bold innovation to provide boundless learning opportunities** and operational excellence, setting the standard for others to follow." Currently, NISD allocates staff and equipment to ensure meaningful technology integration in the classroom. Unfortunately, many students are unable to fully benefit from this integration, due to insufficient access to digital media in the home.

Rudder is designated as a Title I campus, and as is often the case, State of Texas Assessment of Academic Readiness (STAAR) are reflective of the difficulties that socioeconomically disadvantaged families face. Across all grade levels, Rudder's STAAR scores were below both State and District Averages in 2016 and 2017. The most pronounced differences were seen on the Science and Social Studies tests, where Rudder scored 15% and 21% below the NISD average, respectively, in 2017. Numerous studies have demonstrated that access to online tools in the home can provide the experiences and interventions necessary to improve educational outcomes for students of low-income households.

District and national level data reveal that students from low-income families are the most likely to benefit from the dynamic intervention services offered by digital resources, but these same students are at a significantly reduced likelihood to have access to these resources in the home. Additionally, proficiency with computer systems is required for success in the workforce, in higher education, and on many of the State's mandatory examinations, including the Texas English Language Proficiency Assessment System (TELPAS). Rudder has a high population of refugee "Newcomer" students. Pilot programs at other NISD campuses have demonstrated a strong improvement in this population's testing scores after providing access to Chromebook computers, in order to build basic computer literacy prior to administering the TELPAS exam.

NISD provides teachers with numerous opportunities for professional development related to classroom technology integration. Additionally, campus technology coaches are available to further aid in integrating new technology into the classroom. However, the uneven distribution of devices outside of the classroom limits the ability of teachers to develop lesson plans that integrate these concepts into homework or off-campus research. By providing lending devices to students without ready home-access, the 2018 TLPG will address this and enable teachers to develop increasingly rigorous lesson plans and assignments.

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Schedule #13—Needs Assessment (cont.)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 2: Alignment with Grant Goals and Objectives. List your top five needs, in rank order of assigned priority. Describe how those needs would be effectively addressed by implementation of this grant program. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

#	Identified Need	How Implemented Grant Program Would Address
1.	Access to Technology: Economically disadvantaged students at the selected campuses are less likely to have access to computers and the internet in their homes than their peers.	This grant program will provide 568 Chromebook computers and 44 portable 4G hotspot access cards for student usage. The devices will be checked out to students through the campus library, which will provide opportunities to track the devices' usage and enable equitable access to the hotspots.
2.	Professional Development and Collaboration: Teachers and staff in NISD require ongoing training and support on the proper use and implementation of electronic instructional materials in the classroom.	NISD currently has a robust professional development strategy and, in alignment with the District's Technology Plan, has placed a focus on developing our teaching staff's skills and competencies with electronic instructional materials. This grant program will ensure that teachers are able to apply what they learn in a real world setting. Additionally, feedback from this grant program will allow for further refinement of NISD's training program.
3.	Technology Application Proficiency: Students require exposure to a variety of digital devices and applications to build technology literacy in order to support life-long learning.	This program will provide students with access to Chromebook computers and mobile hotspot devices which, in conjunction with NISD's diverse selection of classroom technology devices, will enable the campus to achieve a 1:1 ratio. By allowing these devices to accompany students home, participating teachers can utilize greater numbers of online resources, which will prepare students for life-long learning.
4.	Student Academic Performance: Students at the targeted campuses have Science and Social Studies STAAR scores are below anticipated levels with respect to their percentages of economically disadvantaged students.	The lending devices provided under this program will enable students with the greatest need to gain access to electronic intervention and learning programs. The devices will be available at home and in the classroom, enabling students to benefit from increased instructional time and support while completing homework and projects. As a result, the score disparity between Rudder and NISD's average STAAR scores, in these subjects, will decrease.
5.	Educational Support: Students with special needs often require additional educational support in order to achieve their fullest academic potential.	This grant program will provide lending devices that will assist Newcomer students in the classroom and at home. The flexibility of electronic instructional materials make them ideally suited for the language and advanced academic timelines found in Newcomer classrooms.

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Schedule #14—Management Plan

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 1: Staff Qualifications. List the titles of the primary project personnel and any external consultants projected to be involved in the implementation and delivery of the program, along with desired qualifications, experience, and any requested certifications. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

#	Title	Desired Qualifications, Experience, Certifications
1.	Director of Academic Technology	The Academic Technology Director will supervise all technology associated with this program, and has a Master's in Education with an emphasis in Instructional Technology. Duties include: Oversight for program equipment, overseeing check in/out procedures and device maintenance.
2.	Grants Project Manager	Tracks grant expenditures, ensuring that all funds are allocated to support stated grant activities and collaborates with stakeholders' in achieving the program goals and objectives. Professional experience includes program evaluation and program management. Duties include: Program oversight, reporting, and facilitating communication between stakeholders.
3.	Grant Evaluator	This position does not participate in the implementation of the grant, but will oversee all data collection, analysis, and research. The Grant Evaluator has a bachelor's degree in Economics, a Master's in Business Administration and extensive grant evaluation experience.
4.	Campus Librarian	Will provide campus level program coordination. All Librarians are certified Texas Teachers and hold Master's level degrees. Duties include: Supervising check in/out procedures, coordinating device maintenance and supporting student academic goals.
5.	Campus Technologist(s)	Provides oversight and training regarding integrating technology into the classroom. District CITs are Texas certified Teachers and are specialists in Technology Integration. Duties include: Device maintenance, supporting Teachers with classroom implementation, and technical support.

Part 2: Milestones and Timeline. Summarize the major objectives of the planned project, along with defined milestones and projected timelines. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

#	Objective	Milestone	Begin Activity	End Activity
1.	Provide 95% of program teachers and librarians with professional development	1. Develop classroom technology resource training program	04/01/2018	07/14/2018
		2. Deliver minimum of 3 hours of classroom technology focused profession development per year	08/01/2018	08/01/2019
		3. Train participating librarians and teachers on check-out and check-in procedures	08/01/2018	08/10/2018
2.	Build campus capacity for technology lending program	1. Purchase 568 Chromebooks and 44 MIFI hotspots	04/01/2018	06/06/2018
		2. Enter devices into campus resource system	04/01/2018	06/06/2018
		3. Configure devices for CIPA compliance	04/01/2018	06/06/2018
		4. Ongoing maintenance/repair/support	04/01/2018	06/06/2018
3.	Prepare students for technology lending program	1. Identify high need students	06/01/2018	06/06/2018
		2. Student outreach efforts	06/01/2018	06/06/2018
		3. Obtain parent and student usage agreement forms	06/01/2018	06/06/2018
		4. Provide student training on device usage	08/27/2018	06/06/2018
		5. Ongoing check-in/check-out process	06/01/2018	06/06/2018
4.	Support Student Technology competencies and Math and Reading academic achievement	1. Student pre and post surveys	08/27/2018	06/06/2018
		2. Ongoing monitoring, reporting, and data collection	08/27/2018	06/06/2018

Unless pre-award costs are specifically approved by TEA, grant funds will be used to pay only for activities occurring between the beginning and ending dates of the grant, as specified on the Notice of Grant Award.

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Schedule #14—Management Plan (cont.)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 3: Feedback and Continuous Improvement. Describe the process and procedures your organization currently has in place for monitoring the attainment of goals and objectives. Include a description of how the plan for attaining goals and objectives is adjusted when necessary and how changes are communicated to administrative staff, teachers, students, parents, and members of the community. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

Northside (NISD) has an extensive and successful history of managing an array of Federal and State funded projects due to established structures and procedures that rely on broad-based management and participation. Through planning, writing and implementation, NISD relies on the Grants Project Manager to identify, convene and communicate with relevant stakeholders and staff. This collaboration regularly includes relevant Deputy Superintendent(s), Director(s), Program Specialist(s), Principal(s) and Evaluation Specialist(s). By involving all stakeholders consistently throughout the life cycle of the grant, NISD is able to efficiently and effectively implement grants, ensure all goals and objectives are met and adjust original proposals, as-needed, to maximize program potential and impact. The diversity of knowledge, experience and expertise represented through the process ensures that all proposals are considered and approved by a variety of interests. The following are grant management protocols that are observed in NISD:

- District and campus leadership commit to targeted goals and objectives prior to grant submission,
- District Evaluation Specialist ensures that all grants have measureable outcomes and creates evaluation timelines to measure project goals,
- Grants Project Manager creates internal timelines that are approved by all relevant stakeholders,
- Deputy Superintendent(s) and Director(s) are assigned to oversee grant and communicate grant importance and relevance to targeted groups throughout the project period,
- Upon award, monthly grant management meetings are scheduled to assess grant progress and expenditures,
- All proposed project changes are approved by initial stakeholder group to ensure compliance and execution of action.

The culture of NISD compliments this team approach, as senior staff work alongside campus and project staff to contribute to the success of all projects.

Part 4: Sustainability and Commitment. Describe any ongoing, existing efforts that are similar or related to the planned project. How will you coordinate efforts to maximize effectiveness of grant funds? How will you ensure that all project participants remain committed to the project's success? Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

Ongoing Related Efforts: NISD has retained the lending program, minus the hotspot devices, at the previous pilot campuses. Additionally, numerous campuses offer BYOD policies, which significantly increase classroom student to device ratios. However, no formal 1:1 initiatives exist within the District.

Plan to Coordinate Efforts for Maximum Effectiveness: The Grants Project Manager, in conjunction with campus librarians and participating teachers, will ensure that resources are being utilized by students and that students demonstrating the greatest need are prioritized for access to the devices. Campus Academic Technology Coaches will work directly with participating teachers to ensure that all curriculum takes full advantage of available lending technology.

How will you ensure commitment: This proposed program was collaboratively developed with input from NISD's departments of: Curriculum and Instruction; Academic Technology, Library & Textbook Services; Staff Development; and the Principal of the participating campus. This ensures buy-in at all levels of implementation. The program will have the full support of NISD's Technology Department as well as the Campus Academic Technology Coach, to ensure that any issues are resolved as quickly as possible. The Grants Project Manager will work with the participating campus and stakeholders to address any concerns or challenges, to ensure ongoing commitment to the program remains beneficial for all stakeholders. The proposed project aligns with the campus' technology plan which ensures District-wide commitment and support for the duration of the program.

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Schedule #15—Project Evaluation

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Part 1: Evaluation Design. List the methods and processes you will use on an ongoing basis to examine the effectiveness of project strategies, including the indicators of program accomplishment that are associated with each. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

#	Evaluation Method/Process	Associated Indicator of Accomplishment	
1.	Develop/Maintain Student Database	1.	70% or greater rate of students checking out a device
		2.	70% or greater rate of utilization by economically disadvantaged students
		3.	Economically disadvantaged students who had Internet access available in their residences as part of the program
2.	Develop/Maintain Course Database	1.	Number and names of courses using digital content
		2.	Titles of digital materials used within courses as part of the grant
		3.	Online courses taken by students as a result of the program as applicable
3.	Develop/Maintain Teacher Database	1.	Teachers who leveraged electronic instructional materials to students as a result of the technology lending program
4.	Develop/Maintain Technology Inventory	1.	Ratio of technology devices to students needing devices
5.	Administer Student Pre- and Post-Tests	1.	90% of participating students will report having utilized lending technology in the home, as part of their coursework.

Part 2: Data Collection and Problem Correction. Describe the processes for collecting data that are included in the evaluation design, including program-level data such as program activities and the number of participants served, and student-level academic data, including achievement results and attendance data. How are problems with project delivery to be identified and corrected throughout the project? Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

Program Level Data Collection – The NISD Grants Project Manager will monitor all program activities, including: Professional development progress, student device check out/in records, the total number of participating students served, student academic data, and facilitate meetings of stakeholders. The NISD Grant Evaluator will create required databases of student participation with related demographics, course data, and teacher activities. The Grant Evaluator will compare the inventory of devices to students levels at each campus, to determine device ratios.

Student Level Data –Pre- and post-tests, administered at the campus level, will be used to collect data from all participating campuses regarding student achievements, participation, and attendance. Campus Librarians will oversee daily check out/in of devices and ensure that usage data is recorded in associated databases.

Identification of Problems with Program Implementation – The evaluation plan for this program incorporates both qualitative and quantitative data to ensure a comprehensive and balanced record of implementation and impact. Student data will be continuously disaggregated to determine the needs and outcomes of each participating campus. Monthly stakeholder meetings will ensure that the Grants Project Manager is able to identify programmatic issues as they arise.

Correction of Program Issues – After the identification of an issue with program implementation, the Grants Project Manager will coordinate with relevant program staff and stakeholders to develop and implement an action plan to resolve the identified problem(s).

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Schedule #16—Responses to Statutory Requirements

County-district number or vendor ID: 015915

Amendment # (for amendments only):

Statutory Requirement 1: Applicant must describe the availability of existing equipment to students in the LEA and other funding available for the purchase of student technology devices. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

Current technology availability:

Every classroom in NISD has access to, at a minimum, high speed wireless internet; 1 desktop computer; 1 iPad; 1 digital projector, linked with the desktop and iPad. A limited number of Chromebooks and/or iPads classroom sets are available for checkout from the library, on a first-come first-served basis. These devices are maintained on a five year refresh cycle, set by the District's Acquisitions department.

Campus level:

Local survey data revealed that, District wide, there is approximately a 2:1 student to device ratio, excluding smartphone devices. Campus level surveys reported a high rate of home internet access at Rudder, but were insufficient to adequately determine the rate of ready access to computer devices within the home. Additionally, NISD does not have data with regards to the specific devices that students have access to; for example, Windows or Apple desktops versus smartphones or tablets. Possible application incompatibilities with NISD software and student devices posed a possible barrier to the effectiveness of a 1:1 program. Therefore, NISD will provide Chromebook devices to every student at Rudder—approximately 971 devices in total. This application requests funding for 568 devices, with the remaining 403 to be purchased using local funds. This new deployment of devices will supplement, not supplant the campus' existing technology resources, in order to ensure that existing programming is not interrupted or reduced. The campus' existing devices will be used to provide additional flexibility, when changing enrollment requires it.

On Campus, NISD has provided a robust WiFi infrastructure that is capable of supporting 1,000+ simultaneous connections. Students will be required to charge their devices at home, but in the event of low battery levels, charging access will be available for students on a first come first served basis. Wireless printing access is currently available on campus, to enable students to print reports or media, although this program is intended to additionally explore the possibility of an increasingly "paperless" classroom.

Other funding sources:

The NISD Library Services and Technology departments are committed to the success of this 1:1 device pilot, and have committed local funds to ensure that the additional devices required for implementation will be available.

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Schedule #17—Responses to TEA Program Requirements

County-district number or vendor ID: 015915

Amendment # (for amendments only):

TEA Program Requirement 1: Describe how the technology lending program aligns with the existing mission and goals for the LEA. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

The mission of the Northside Independent School District is to encourage each student to strive for personal excellence and to ensure all students learn to function, contribute, and compete as responsible individuals in an ever-changing world. The mission of the NISD Technology department is to inspire and empower students, staff, and community through collaboration and anytime/anywhere solutions. This proposed lending program aligns with both of these mission statements by empowering students to access instructional tools at any time of day or night. Providing access to online resources prepares participating students for academic success by providing the knowledge and tools required for life-long self-instruction.

Goals 1 and 2 of Rudder's Campus Technology Plan (CTP) are to, "Provide up to date technological infrastructure, technology devices, and software to support the learning environment" and to, "Provide professional development on the effective use of technology in the classroom." The proposed grant program aligns with goal 1 of the CTP by providing modern and uniform technology devices for all of the students at Rudder. The program aligns with goal 2 by enabling campus Technology Support Specialists and Academic Technology Coaches to train PLCs and teacher teams on enhanced technology integration techniques.

This program will facilitate these goals by providing students with the tools necessary to develop relevant technology competencies and will ensure that participating classrooms are able to fully utilize instructional technologies without excluding students. Further, as a pilot program, it will demonstrate the feasibility of large scale 1:1 projects and future adoption of related practices.

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Schedule #17—Responses to TEA Program Requirements (cont.)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

TEA Program Requirement 2: Describe a plan for providing internet access to student residences, residential centers, and/or on the buses that transport students (for whom a single ride lasts, on average, at least an hour) with the highest need for off-campus internet access. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

Internet access is a critical component to the success of this program. NISD provides high speed access for students, while on campus, but is unable to do so at the residential level. Under NISD's previous 2014 TLPG, the District provided each participating campus with a collection of wireless hotspots which enabled needy students to obtain access in the home. While the devices were popular, they were insufficient to meet student demand.

For this program, NISD selected a campus where home internet access rates were high (greater than 90%), and free public access was common within the surrounding business community. For students who are unable to be served through these means, the program includes 44 wireless hotspot devices, which will be cataloged as part of the campus library's collection. While 44 devices are insufficient to make up the service gap, the highest sub-population that reported a lack of home access was the campus' Newcomer (refugee) population. The majority of these students live at two nearby apartment complexes, which will facilitate easy sharing of hotspots. This arrangement will provide an ancillary benefit of connecting the parents of Newcomer students with access to the Adult and Community Education (ACE) programming, also provided by NISD.

The hotspots are cellular and include battery power supplies, which enables them to be utilized during bus rides and/or at off campus, nonresidential, locations. The Chromebooks and hotspots are preconfigured for compatibility, so any student within range will be capable of connecting and accessing resources.

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Schedule #17—Responses to TEA Program Requirements (cont.)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

TEA Program Requirement 3: Describe how the lending program aligns with current curriculum, instruction, and classroom management policies and/or practices on its participating campus(es). Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

The proposed lending program aligns with:

Curriculum: The District selected the participating campus based, in part, upon STAAR scores. At Rudder, student performance in science and social studies was below expectation across tested grade levels, even when student economic situations were factored in. Both of these subject areas, but science in particular, have been positively correlated with student experiential learning opportunities—opportunities which are typically lacking in Title I communities.

By providing students with access to lending technology, this program will reinforce the core academic skills needed for successful implementation of the District's curriculum, as well as access to experiential learning opportunities online. Students will benefit from increased academic support, in the form of interactive learning software and increased access to digital resources to assist in self-paced learning.

Instruction: NISD currently utilizes many electronic resources as part of classroom instruction. These applications are used to reinforce learning and to provide students with intervention support when required. Currently, students without home computer and internet access are unable to access the instructional materials at home, which creates an achievement gap versus their peers. Lending technology provided by this program will enable students to benefit from these electronic resources inside and outside of the classroom. This will allow students to explore topics and identify trouble areas outside of the classroom, which will enable teachers to more efficiently utilize classroom instruction time. The lending devices provided by this program will provide participating students with equal access to all electronic instructional materials.

Classroom management: Classroom teachers currently utilize a number of classroom management practices that align with the proposed lending program. Editable electronic class syllabuses and classroom rules agreements provide clear expectations for students, while increasing productivity by enabling students to prepare for a lesson ahead of time. Lending devices will build upon existing classroom management and organization policies, to increase classroom morale, build a sense of community, and foster student motivation.

TEA Program Requirement 4: Describe how the applicant is using digital instructional materials in one or more foundation curriculum subject area(s) for one or more grade level(s). Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

NISD currently utilizes a variety of electronic instructional materials to support and enhance student learning in the core subject areas of science, math, social studies, and reading. All **grade levels** at Rudder currently utilize the intervention and support software, *Think Through Math*, *i-Ready*, *Study Island*, and *Brain Pop*. Digital editions of all NISD textbooks are available to students, which will facilitate easy referencing and searching for material. The devices will additionally be used as part of a flipped classroom initiative and to research topics/educational videos from sites like YouTube and Khan Academy.

These materials are currently only utilized as *supplements* to traditional classroom learning, due to concerns that some students will not be able to access the electronic materials outside of the classroom. As a result, students are selected to utilize chosen software as part of station-based classroom strategies, or as part of an academic intervention program for students who are demonstrating sufficient need. Under this program, the station based approach will give way to greater integration and interactivity.

Campus Technology Support Specialists and Academic Coaches will work with teachers and the NISD Curriculum and Instruction Department to develop effective models for integrating electronic resources into 1:1 classroom programming, with NISD's current supplemental materials as the starting point.

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Schedule #17—Responses to TEA Program Requirements (cont.)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

TEA Program Requirement 5: Describe how the infrastructure and technical support is adequate to support students' anticipated use of devices through the grant at its participating campus(es). Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

NISD has invested heavily in the development of a technology infrastructure that can adequately support student usage of mobile devices. Each campus is connected to the District data center with fiber optic cabling and the data center connects to the internet with dual 1Gbps connections. A majority of campus' Ethernet to desk connectivity is accomplished with 1,000Mbps links. Every NISD classroom is equipped with computers for students and teachers, a digital projector, document camera, printer, and access to many other technology-rich classroom resources. Additionally, K-12 teachers and students have access to computer labs, libraries, and mobile device/laptop carts where technology-infused projects can be completed. NISD has piloted Bring Your Own Device (BYOD) policies at multiple campuses and determined that existing wireless network infrastructure is adequate to support a technology lending program and 1:1 student usage ratios in participating classrooms.

The District has an existing professional development plan that includes extensive Google applications training, as well as training for the electronic instructional tools that are available to classroom teachers. The District provides students with Google accounts, which increases student connectivity and access to productivity tools. Google accounts are required for Chromebook usage, and will allow students to effectively utilize the devices while learning to also utilize cloud computing. District technology staff will work closely with campuses and teachers to ensure that technology is effectively integrated into classroom instruction and to provide professional development, as required, for campus staff.

The durability of Chromebook computers and wireless hotspots, as well as the capacity of existing infrastructure to support the devices, was tested under the 2014 TLPG. The devices and NISD's infrastructure met all expectations, leaving little doubt as to the ability of Rudder's network to support the program.

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Schedule #17—Responses to TEA Program Requirements (cont.)

County-district number or vendor ID: 015915

Amendment # (for amendments only):

TEA Program Requirement 6: Describe how the grant will be administered on participating campus(es), including a description of how the check-out and check-in process will operate, who will oversee the check-out process, especially in cases of competing need, and the process that will be used to maintain the technology lending equipment in proper working condition. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

Campus level administration of the lending program will be the responsibility of the campus librarian. Chromebook devices will be checked out, by students, and tracked using the existing library infrastructure, in the same manner as textbooks. The wireless hotspots will be cataloged into the library collection and will be available for student checkout, in the same manner as typical library resources.

Due to a full 1:1 deployment of Chromebooks, no competing needs are anticipated regarding those particular devices. Hotspots will initially be available on a first-come first-served basis. However, if student feedback suggests that a modified system is required for equitable in-home internet access, a modified procedure will be developed. Devices will be inspected at the point of check out and check in to ensure that they are not damaged and are in correct working order. Program equipment inventory will be monitored and tracked using the District's established library management software.

Device management will be overseen by the Campus Technology Support Specialist (TSS) and/or the campus Academic Technology Coach (ATC). All program Chromebook devices will include a WiFi management control console which will enable staff to centrally configure, track, and manage all program devices. Hotspot devices will be password protected and configured to only permit access by program Chromebook devices, to ensure that student internet access meets all state and federal requirements. Device repair and troubleshooting will be provided by the ACT/TSS, and the NISD Technology department, when required.

TEA Program Requirement 7: Describe how technology lending equipment will be accounted for per local policy, including providing insurance, if appropriate. Response is limited to space provided, front side only. Use Arial font, no smaller than 10 point.

Accounting of Equipment:

All devices will be marked to identify them as NISD property and to include an identification number and barcode for use with the campus library catalog. Devices will only be available for checkout to students who have returned signed student and parent agreement forms. NISD does not currently have an existing local policy for 1:1 student lending equipment. The District will develop a local policy prior to implementation of the program, based upon existing local policies for staff technology checkout and the 2014 technology lending program pilot.

Insurance:

NISD will not be purchasing insurance for lending program devices, due to the low replacement cost versus the comparatively high cost of insurance coverage. The District will instead self-insure and replace devices as needed with local funds.

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